

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (previously presented) An isolated polynucleotide comprising

(a) a nucleotide sequence SEQ ID NO: 1 or a modification, variant or fragment thereof having at least 95% identity to SEQ ID NO: 1; or

(b) a complement to (a);

wherein said sequence, modification, variant, fragment thereof, or complement identifies bacteria involved in the biosynthesis of ecteinascidin compounds.

2-6. (canceled)

7. (previously presented) A polynucleotide according to claim 1 having at least 97% identity or a complement thereof.

8-9. (canceled)

10. (previously presented) A recombinant DNA comprising a polynucleotide sequence according to either claim 1 or claim 7.

11. (original) An isolated bacterium including a polynucleotide according to claim 1.

12. (previously presented) An isolated bacterium according to claim 11 identified as *Candidatus* Endoecteinascidia frumentensis.

13. (canceled)